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INDEX

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Using the Index

THE INDEX for 1947 presents a convenient means of reference to information appearing in TEXTILE INDUSTRIES for the past 12 months. It also indicates the tremendous amount of valuable material published, much of which is of enduring value.

File copies or bound volumes are most helpful in using the index.

Except for technical discussion meetings, and author-title section, the title of an article appears only once, but under the proper classification. As a further aid, many of the articles carry brief abstracts and "interest" and "fiber" designations.

Articles may be found in several ways: Author-title index, abstracts, interest, fiber, primary headings (such as management, engineering, knitting, etc.), or under manufacturing processes (carding, spinning, weaving, dyeing, finishing, etc.), or under issue date.

Where several articles, answers, and technical discussion relate to the same subject, they are grouped together.

The Index appears each year. Readers are urged to preserve their individual copies so that they may be filed permanently or bound.

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FIBER: All.

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FIBER: Wool.

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FIBER: Cotton and others.

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INTEREST: All departments and levels of management.
FIBER: All.

Progress in Instrumentation, by Richard Polluck, Sr......**June 82**
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INTEREST: Engineering and all depts.
FIBER: All.

Waste Control and Reduction, by Ben H. Crawford.....**June 77**
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INTEREST: Universal.
FIBER: Principle applies to all.

Waste Utilization, by Wm. H. Jones.....**June 79**
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FIBER: Primarily cotton, also other.

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FIBER: Wool.

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INTEREST: Engineering.

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FIBER: Cotton and synthetic blends.

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FIBER: Cotton primarily, also others.

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INTEREST: Slashing and weaving.
FIBER: Primarily cotton.

Slashing and Weaving Forum (Georgia).....Nov. 98
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INTEREST: Carding and spinning, engineering, maintenance.
FIBER: Cotton primarily.

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INTEREST: Picking.
FIBER: Cotton.

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INTEREST: Carding.
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Cotton Between Cylinder and Side.....June 127
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INTEREST: Carding.
FIBER: Cotton.

Cotton Between Cylinder and Frame.....July 131
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INTEREST: Carding.
FIBER: Cotton and blends.

Cotton Between Cylinder and Frame.....Sept. 137
By No. 7977.

Cotton Between Cylinder and Frame.....Oct. 206
By No. 7981.

Gang Grinding of Cards.....May 91
Discussion Georgia meeting.

Slow or Fast Grinding of Cards.....Nov. 104
Discussion Ala. meeting.

Card Grinding Schedules.....May 94
Discussion Georgia meeting.

Experimentation on Cards.....May 129
No. 7872 tells of increasing speed of cylinder.
INTEREST: Carding.
FIBER: Cotton.

Experimentation on Cards.....July 125
No. 7937 suggests higher licker-in speed.
INTEREST: Carding.
FIBER: Cotton.

Experimentation on Cards.....Aug. 131
Recommendations and experiences offered by Nos. 7947, 7940, and 7946.

Experimentation on Cards.....Oct. 213
By Nos. 7943, 7941, 7944, and 7942.

Speed Reducer.....Dec. 137
No. 8022 gives application to card for slowing licker-in.

Long or Medium Draft on Cards.....Jan. 71
Discussion Ala. meeting.

Metallic Card Clothing.....Jan. 71
Discussion Ala. meeting.

RPM Counters Used on Cards.....Dec. 129
No. 7934 tells of installation on calender rolls.

Attachment for Box Feed Comb Aids in Processing Roving Waste.....Dec. 129
Explanation by Wash.
FIBER: Cotton, wool, and rayon.

Making Wool Cut Top.....Dec. 80
Adjusting comb to deliver required product. Two gilling processes and a cutting operation are eliminated.
INTEREST: Yarn manufacture.
FIBER: Wool.

Comments on "Variation and Drafting".....Jan. 107
Original discussion in Sept. 46 by No. 7792. No. 7832 gives causes and cites need for further knowledge.
INTEREST: Picking through spinning.
FIBER: Cotton and other.

Places Blame for Variation in Sliver.....Mch. 99
No. 7839 lists causes.
INTEREST: Picking through spinning.
FIBER: Cotton and other.

Drawing Frame Studies.....Apr. 119
Elements affecting variation are given. Study of tests run to determine variation different roll settings, roll weighting, and draftings.
INTEREST: Drawing.
FIBER: Cotton and blends.

Sliver Evenness Tests Cited.....July 125
Continuation of study on variation in evenness, by No. 7849.

Comments on Variation and Drafting.....Oct. 203
Roller slippage, irregularity of fiber length, test results, tables of tests.
INTEREST: Processing.
FIBER: Cotton.

Wash Blames Fly Frames for Uneven Yarns ..... Oct. 211
Effect of Card Wire on Waste ..... May 94
Discussion Georgia meeting.
Reducing Neps ..... Nov. 104
Discussion Ala. meeting.
Reworkable Card Waste ..... Nov. 104
Discussion Ala. meeting.
Improvised Calender Clearer for Cards ..... Mch. 103
No. 7864 offers device to prevent fly and fine particles from collecting behind calender rolls on cards.
INTEREST: Carding.
FIBER: All, especially synthetic and blends.
Compression Springs on Cards ..... Jan. 70
Discussion Ala. meeting.
Card Sliver Reducer ..... May 133
No. 7883 gives experience.
INTEREST: Carding.
FIBER: Cotton.
Running Nylon on Revolving Flat Cards ..... June 127
No. 7886 says vary speed of doffer.
INTEREST: Carding.
FIBER: Synthetic.
Training Card Grinders, by Mill Superintendent ..... July 72
System followed by mill in training, card grinder's check sheet, card grinding routine, diagram of card for trainees.
INTEREST: Carding and training.
FIBER: Primarily cotton and blends.
Stripping Cards ..... July 128
Experience with hand versus vacuum stripping by No. 7897.
INTEREST: Carding.
FIBER: Cotton.
Experience with Continuous Strippers ..... Nov. 103
Discussion Ala. meeting.
Total Draft vs. Mechanical Draft at Cards ..... July 131
Explanation by No. 7913.
INTEREST: Carding.
FIBER: Cotton and blends.
Comments on Damaged Card Clothing ..... Sept. 121
Several causes are given by Nos. 7881, 7875, and 7874.
INTEREST: Carding.
FIBER: Cotton and blends.
Cleaning and Oiling Cards (Schedules of 28 Mills) May 92
Discussion Georgia meeting.
Perforated Card Screens ..... Jan. 71
Discussion Ala. meeting.
Perforated Card Screens ..... May 91
Discussion Georgia meeting.

Combing, Drawing, and Fly Frames

Stop Motion for Sliver Lappers ..... Dec. 127
No. 8004 explains application.
Graphic Analysis of the Comber Cycle, by Peter D. Kaspar ..... June 83
Displacement-time study. Graphic portrayal of Nasmith cycle.
INTEREST: Combing.
FIBER: Cotton.
Cork Cots on Combers ..... July 127
Opinions on leather covered top detaching rolls and draw box rolls, and cork cots. By Nos. 7936 and 7938.
INTEREST: Carding.
FIBER: Cotton.
Neps in Comber Sliver ..... July 128
Causes listed by No. 7884.
INTEREST: Combing.
FIBER: Cotton.
Neps in Combed Stock ..... Oct. 209
By No. 7996.
Lumpy Sliver at Comber ..... Sept. 132
Settings given. Opinions offered on correction by Nos. 7952, 7953.
INTEREST: Combing.
FIBER: Cotton.
Comments on Life of Comber Half Laps ..... Nov. 131
Cause of damaged half laps, and method of increasing their life offered by Nos. 7995, 7985, 7986, and 7987.
INTEREST: Combing.
FIBER: Cotton.
Figuring Draft on Drawing ..... Jan. 99
No. 7796 discusses crimping effect and gives formulas.
INTEREST: Carding and spinning.
FIBER: Primarily cotton, also others.
Figuring Draft on Metallic Rolls ..... Mch. 105
No. 7794 offers opinion on crimping effect and offers formulas.
INTEREST: Carding.
FIBER: Primarily cotton, also others.
More Comments on Figuring Draft on Drawing ..... June 121
No. 7910 gives his method for figuring gear train.
INTEREST: Carding.
FIBER: Primarily cotton.
Long Draft and Conventional Drawing Compared ..... May 94
Discussion Georgia meeting.
Improvised Drive for Drawing ..... Sept. 125
INTEREST: Drawing.
FIBER: Cotton and other.
Schedule for Training Frame Tenders ..... May 96
Discussion Georgia meeting.
Rotate Sliver Cans Counter-Clockwise ..... Nov. 140
By No. 7977.
Compressing Sliver in Cans ..... May 96
Discussion Georgia meeting.
Cover for Drawing Frame Can Table Drive Shaft ..... Aug. 129
A method to prevent shafts that drive can tables on drawing frames from becoming clogged with slivers when an overflow occurs.
Causes of Roving Winding Around Cork-Synthetic Aprons ..... Feb. 151
Nos. 7858, 7859, and 7860 suggest checking distance of rolls, change break draft, reduce amount of oil, check finish on aprons, and twist in roving.
INTEREST: Carding and roving.
FIBER: Cotton and blends.
Perforated Cots in Spinning & Carding ..... Jan. 72
Discussion Ala. meeting.
Top Roll Covers ..... Dec. 123
Discussion Durham meeting.
Build Your Own Roving Bobbin Cleaner ..... May 133
Kink that saves time and effort, and leaves the bobbins undamaged.
INTEREST: Carding.
FIBER: All.

Spinning

Scouring Steel Rolls ..... Apr. 120
System employed in United Kingdom. No. 7867.
INTEREST: Carding and spinning.
FIBER: All.
Scouring Fluted Rolls ..... Nov. 140
No. 7989 (France) gives his method.
INTEREST: Carding and spinning.
FIBER: Cotton.
Pneumatic Bolster Cleaner and Roll Scrubber ..... May 96
Discussion Georgia meeting.
Traveler Lag in Spinning and Twisting, by S. V. Mehn ..... Jan. 68
Formulas and table for calculations. Diagram showing what occurs to traveler lag while winding.
INTEREST: Spinning and twisting.
FIBER: All.
How to Use the Drum Spreader, by John Middleton ..... Mch. 63
Description and instructions for using tool designed to remove arbors from the cylinders of spinning frames, twisters, and spoolers.
INTEREST: Spinning, twisting, spooling.
FIBER: All.
Replacing Spinning Spindles ..... Mch. 103
No. 7896 gives practice on handling new and old spindle.
INTEREST: Spinning.
Automatic Roll Pickers ..... Mch. 105
No. 7887, 7888, 7889, 7890 offer practices with pneumatic roll pickers in spinning and roving.
INTEREST: Carding and spinning.
FIBER: Cotton, synthetic, blends.
Automatic Roll Pickers ..... May 102
Discussion Georgia meeting.

Roll Pickers ..... **Dec. 123**
Discussion Durham meeting.

Wear in Travelers and Rings ..... **Mch. 107**
No. 7898 discusses composition of travelers and rings, choice, factors tending to lessen wear on travelers.
INTEREST: Spinning and twisting.
FIBER: Cotton, also synthetic and blends.

Curved Web Rings ..... **May 100**
Discussion Georgia meeting.

Pneumatic Broken End Collector ..... **May 88**
Device replaces scavenger roll on spinning frames. Pneumafil.
INTEREST: Spinning.
FIBER: Cotton and blends.

Sleeve Type Spindles ..... **May 100**
Discussion Georgia meeting.

Spindle Adapters and Paper Bobbins ..... **Nov. 104**
Discussion Ala. meeting.

Spindle Adapters and Paper Bobbins ..... **Dec. 137**
No. 8025 tells of experience and emphasizes training.

Metal Base Bobbins ..... **May 100**
Discussion Georgia meeting.

Automatic Spinning Control at Fieldcrest Mills ..... **July 81**
Numo system gives uniform package, with tails of same length. Device automatically stops the frame and pulls the ring rail down without the attention of the spinner or doffer.
INTEREST: Spinning.
FIBER: All spun on continuous system.

Balloon Control ..... **July 87**
System at Joanna Cotton Mills, the primary object of which is to eliminate wear on rings due to jerk on traveler as yarn moves out of contact with conventional separators. New separator designed.
INTEREST: Spinning.
FIBER: Primarily cotton; all spun on ring system.

Seconds Due to Clearer Waste ..... **Sept. 129**
Waste figures and methods of reducing waste. Opinions offered by Nos. 7961, 7962, 7963, 7964, and 7965.
INTEREST: Spinning and carding.
FIBER: Blends and cotton.

Sooty Bobbins Present Problems ..... **Dec. 131**
No. 8023 diagnoses trouble as oil. Tells of trying remedies, none of which is successful.

One vs. Two Flange Ring ..... **Sept. 131**
Opinions and experience from Nos. 7967, 7968, 7969, 7970, 7971, 7972, and 7973.
INTEREST: Spinning.
FIBER: Cotton.

Scavenger Waste Collection Simplified at Fieldcrest ..... **Nov. 89**
Box with swinging bottom is placed on spinning frame, into which spinners drop scavenger waste. Disposal of waste explained.
INTEREST: Spinning.
FIBER: Primarily cotton; applicable to others.

Color Coding for Waste Boxes ..... **Dec. 127**
By No. 8005.

Nylon Bolsters ..... **Dec. 123**
Discussion Durham meeting.

Air Conditioning in Spinning ..... **Jan. 72**
Discussion Ala. meeting.

Air Conditioning in Spinning ..... **Nov. 104**
Discussion Ala. meeting.

Spinning Cams Used when Spooling on B-C ..... **Jan. 127**
Discussion Ala. meeting.

Non-Sloughing Cam ..... **May 100**
Discussion Georgia meeting.

Cleaning in Spinning ..... **Jan. 72**
Discussion Ala. meeting.

Yarn Conveyor ..... **Dec. 127**
No. 8001 describes system at American Yarn and Processing Co. for moving packages from one floor to another by conveyor belt.

Winding and Warp Preparation

Winding Machines—Principles and Practices by Jesse W. Stribling

Article 1 ..... **Aug. 89**
Series will cover principles involved in different types of winding machines. Starting description of No. 50 precision winder. Spindle drives, types of packages, winds, maximum operating speeds, gainer mechanism, belt gain, adjusting the wind, gear gain, traversing mechanism, thread guides.

Article 2 ..... **Sept. 94**
No. 50 winder continued. Diff tension and pressure, releasing tension and pressure, number of winds to use, changes for cones and parallel tubes, spindles, copholders, coneholders.

Article 3 ..... **Oct. 110**
Traverse frame dog, setting the dog, worm cam shaft bushing and stopping wheel, starting and stopping motions, breakage lever balance.

Article 4 ..... **Nov. 110**
No. 50 winder continued. Paddle type brake, setting upper traverse frame stop, delivery point in thread guide, standard finger tension, seating thread guide holder in traverse bar, positioning yarn on package, thread guides, starting yarn on paper tubes.

Article 5 ..... **Dec. 107**
Sizing mechanisms, standard sizing gauge, micrometer sizing, positive sizing attachment, roller sizing, heavy diff pressure attachment, spindle speed determined without indicator, paraffin attachment, figuring yarn take-up speeds.

Winding Capacity Increased by Using Obsolete Machines ..... **Nov. 137**
Obsolete spinning frames and twisters used for rewinding. By No. 8002.
INTEREST: Production.
FIBER: All.

Nylon Twister Traveler ..... **Apr. 90**
Preliminary tests on new traveler reported by mills. Traveler runs without lubrication.
INTEREST: Spinning and twisting.
FIBER: Cotton, synthetic, blends.

Lubricating Twister Rings ..... **May 102**
Discussion Georgia meeting.

Driving Twister Spindles ..... **May 102**
Discussion Georgia meeting.

Improve Twisting Operations by Laboratory Control, by Horace L. Pratt ..... **Dec. 82**
Procedure and suggested methods. Forms for reporting and records are illustrated. Equipment needed.
INTEREST: Laboratory and twisting.
FIBER: Primarily cotton, also other.

Method of Paying Spooler Tenders ..... **May 102**
Discussion Georgia meeting.

Information on B-C Spoolers ..... **Nov. 104**
Discussion Ala. meeting.

Automatic Brush for Barber-Colman Spoolers ..... **Dec. 125**
No. 8017 designs handy brush to reduce work.

Slashing and Weaving

Cotton Warp Sizing, by Paul V. Seydel (Began Aug. 46)

Article 5 ..... **Jan. 76**
Lubricants, softeners, tallow, characteristics of fats, lard, tallow oil, neatsfoot oil, cocoanut oil, palm oil, castor oil, olive oil, corn oil, cottonseed oil, linseed oil, peanut oil, mineral oil, soaps, beeswax, Japan wax, Carnauba wax, candelilla wax, spermaceti, paraffin wax, sulfonated fats, cation active softeners, synthetic fats.

Article 6 ..... **Mch. 83**
Deliquescents, antiseptics, weighting agents, magnesium chloride, calcium chloride, zinc chloride, glycerin and glycerol, phenol, carbolic acid, cresylic acid, salicylic acid, salicylanilide, sodium pentachlorophenate, benzoic acid, formaldehyde, boric acid, zinc sulphate, zinc naphthenate, sodium silicofluoride.

Article 7 ..... **Apr. 92**
Methods of treating water, soft and hard water, distillation, the pH of water, foam in size box, sizing problems.

Article 8 ..... **May 105**
Penetrants, anti-foaming agents, tints for identification, starch thinners, starch film modifiers, use of two size boxes, commercially obtainable size compounds.

Article 9 ..... **July 109**
Analysis and testing of material for sizing analyses, interpretation of results. Starch, starch thinners, softeners and slashing compounds, table of analyses of various sizing compounds showing variations in composition, fats and oils and waxes, saponifiable and unsaponifiable matter, inorganic materials, dextrins and gums, penetrants, sulfonated products.

Article 10 ..... **Aug. 110**
Size mix formulas, services of sizing specialists, sizes for various purposes, preparing the mix, addition of water, weighing materials for size mix, cooking the size, starch cooking requirements, size box temperature, typical size circulating systems, open and closed coils.

Article 11 ..... **Sept. 110**
The sizing process, slasher operator, creeling and changing sets, minimizing waste at slasher, leasing, slasher speed, washing blankets, handling selvages, slasher run-outs, tension devices, brakes, stretch, cleanliness, slashing wet sets, viscosity testing, homemade viscosity tester.

Article 12 ..... **Nov. 119**
Testing sized yarns; this installment covers the various tests necessary in determining such factors as stiffness, amount of size, moisture content, calculations, etc.

Machine Dyes and Sizes in One Operation ..... **Aug. 143**
Requires floor space of 90 x 10 feet. Sketch and photos.
INTEREST: Slashing.
FIBER: Cotton.

Rubber Squeeze Rolls in Slashing ..... **June 90**
Discussion Ala. meeting.

Cotton, Jute, and Wool Wound Squeeze Rolls ..... **June 90**
Discussion Ala. meeting.

Rubber or Synthetic Squeeze Rolls ..... **Nov. 99**
Discussion Georgia meeting.

Squeeze Roll Covers ..... **Dec. 119**
Discussion Durham meeting.

Regulating Stretch at Slasher ..... **June 91**
Discussion Ala. meeting.

Stretch at Slasher ..... **Nov. 99**
Table and discussion Georgia meeting.

Slasher Drives ..... **June 91**
Discussion Ala. meeting.

Variable Speed Slasher Drives ..... **Nov. 98**
Discussion Georgia meeting.

Storing Size over Week-end ..... **June 92**
Discussion Ala. meeting.

Storage of Size ..... **Nov. 98**
Discussion Georgia meeting.

Storing Size Over Week-end ..... **Dec. 119**
Discussion Durham meeting.

Slasher Room Inspection Form ..... **Nov. 100**
Discussion Georgia meeting.

Preventive Slasher Maintenance ..... **Nov. 100**
Discussion Georgia meeting.

Slasher Oiling Schedule ..... **Nov. 100**
Discussion Georgia meeting.

Waste at Slasher ..... **June 91**
Discussion Ala. meeting.

Slasher Waste ..... **Nov. 101**
Discussion Georgia meeting.

Slasher Waste ..... **Dec. 119**
Discussion Durham meeting.

Norcross Viscometer ..... **June 92**
Discussion Ala. meeting.

Hot-Air Slashers ..... **June 92**
Discussion Ala. meeting.

Avondale Reports Progress with Gas-Fired, Hot-Air Slasher ..... **Dec. 99**
Description and operating results. Photographs and sketches.
INTEREST: Slashing.
FIBER: Based on cotton; principle applies to all.

Starch Stabilizers ..... **Nov. 98**
Discussion Georgia meeting.

Invisible Loss in Sizing Materials ..... **Nov. 100**
Discussion Georgia meeting.

Weaving

Draper Loom Fixing, by Ben H. Crawford
Complete series of 19 articles available in book form.

Article 15 ..... **Jan. 93**
Boxing the shuttle, lining hopper stand, setting midget feeler, transferrer, shuttle feeler, bobbin breakouts, worn battery disc.

Article 16 ..... **Mch. 91**
Picking motion, assembling and setting instructions.

Article 17 ..... **Apr. 98**
Shedding motion, beating-up motion, protector motion.

Article 18 ..... **May 115**
Let-off motion, take-up motion.

Article 19 ..... **June 107**
Filling change motion, principles of maintenance, cooperation, and system.

Predetermining Correct Weaving Pattern, by James A. Byars ..... **Jan. 66**
Formulas offered for calculating the air space in drop wires, heddle frames, and reed.
INTEREST: Weaving.
FIBER: All.

Weaver Assignment on Box Looms ..... **April 113**
Three contributors suggest weaver assignment for cotton fabric, 50 ends per inch, 58¾ inches wide, 24s/2 C.P. cotton, 38 picks per inch, yarn dyed filling, using four colors. Speed of looms is given by contributors.
INTEREST: Weaving.
FIBER: Cotton.

Improvised Cutter for Wide Looms ..... **May 131**
No. 7845 tells how to separate two fabrics by cutting the connecting picks of filling.
INTEREST: Weaving.
FIBER: All.

New Check Strap for High Speed Looms ..... **June 127**
Description of multiple V-belt strap at Orr Cotton Mills.
INTEREST: Weaving.
FIBER: All.

Contraction in Seersuckers, by Geo. W. Edwards ..... **July 82**
Suggestions are offered for control of contraction in two and three beam fabrics.
INTEREST: Weaving.
FIBER: Primarily cotton.

Method for Storing Section Beams ..... **July 127**
Racks for storage described and pictured. No. 7853.
INTEREST: Slashing and weaving.
FIBER: All.

Improvised Loom Beam Truck ..... **July 128**
Description and sketch. No. 7865.
INTEREST: Slashing and weaving.
FIBER: All.

Swiss Sulzer Loom ..... **July 141**
Photo and brief description.

Race Plate Covering Discussion Continued ..... **Aug. 132**
Previous discussions in June 1945 and April 1946 issues. By Ivar Moberg.
INTEREST: Weaving.
FIBER: Cotton and other.

Defects in Rayon Fabrics, by Rene Bouvet ..... **Dec. 78**
Listing of defects, with suggested causes and how to remedy them.
INTEREST: Rayon processing.
FIBER: Synthetic.

Time Lag in Quality Control Eliminated at Revolution ..... **Sept. 92**
Cloth from loom is passed to frame underneath loom on next floor. Permits immediate inspection and formation of larger rolls of cloth.
INTEREST: Weaving.
FIBER: Cotton primarily. Applicable to others.

Slack Lapping of Cloth ..... **Sept. 127**
Remedy for cloth that wraps in a slack manner on loom. By No. 7911.
INTEREST: Weaving.
FIBER: All.

Combination Beam and Harness Truck.....**Sept. 131**
By No. 7917. Illustrated.

Loom Overhaul System.....**Oct. 109**
Spare looms substituted in production line while veteran loom fixers perform overhaul job.
INTEREST: Weaving and maintenance.
FIBER: All.

Cost of Upkeep of Loom Stop Motions.....**Nov. 101**
Discussion Georgia meeting.

Loom Overhauling Systems.....**Nov. 102**
Discussion Georgia meeting.

Centralized Maintenance.....**Nov. 106**
Discussion Ala. meeting.

Combination Beam and Harness Truck.....**Oct. 209**
By No. 7918.
INTEREST: Slashing and weaving.
FIBER: All.

Jerked-in Filling Prevented on Box Looms, by Osbert Hughes.....**Nov. 135**
Device to prevent defect described and sketched.
INTEREST: Fancy weaving.
FIBER: All.

Relative Humidity in Weaving.....**June 94**
Discussion Ala. meeting.

Tabulation of Weave Room Humidity.....**Nov. 102**
Discussion Georgia meeting.

Bobbin Breakage (Draper and C&K Looms).....**June 94**
Discussion Ala. meeting.

Loom Braces.....**June 96**
Discussion Ala. meeting.

Reducing Warp Breaks.....**June 96**
Discussion Ala. meeting.

Felt Pads Under Looms.....**June 96**
Discussion Ala. meeting.

Anchoring Looms.....**Dec. 123**
Discussion Durham meeting.

Fur in Shuttles.....**June 96**
Discussion Ala. meeting.

Overhead Loom Beams.....**Nov. 101**
Discussion Georgia meeting.

Longer Filling Bobbins.....**June 94**
Discussion Ala. meeting.

Use of Long Quills.....**Dec. 123**
Discussion Durham meeting.

Conditioning Filling.....**Nov. 102**
Discussion Georgia meeting.

Preventing Selvages from Rolling.....**Nov. 102**
Discussion Georgia meeting.

Preventing Breaking Filling at Loom.....**Nov. 103**
Discussion Georgia meeting.

Other Manufacturing Features

Blending Rayon Staple Fiber, by Wilson Orr.....**Jan. 65**
Covers natural and synthetic fibers, cross-dyed fabric, fiber distribution, specific blends, short staple blending, the roller card.
INTEREST: All processing departments.
FIBER: Cotton, synthetic, wool, other.

Nylon Staple Fiber Discussed.....**Jan. 133**
Brief report of address by L. L. Larson of DuPont.
INTEREST: General.
FIBER: Synthetic and blends.

Spinning Worsted Yarn on the American System, by R. J. McConnell.....**Mch. 61**
Factual account of types of machinery supplied by Whitin Machine Works for making worsted yarns. Describes and suggests processing procedures for drawing frames, roving frames, and spinning frames.
INTEREST: General.
FIBER: Wool primarily, also others.

A Method for Setting Fancies on Woolen & Worsted Cards, by Louis A. Fiori.....**Apr. 75**
Complete description with illustrations.
INTEREST: Carding.
FIBER: Wool.

Worsted Yarn on French System, by Geo. F. Bliss June 77
National Textile Seminar abstract. Description of bobinier-intersecting gillbox, with diagrams.
INTEREST: Worsted plants.
FIBER: Wool.

Manufacture of Woolen Nub Yarn (Part 1), by Louis A. Fiori.....**Aug. 101**
In which the author starts with raw materials and describes procedure through finished yarns.
INTEREST: Wool processing.
FIBER: Wool.

Manufacture of Woolen Nub Yarn (Part 2), by Louis A. Fiori.....**Sept. 101**
Continuation of article starting in August.
INTEREST: Wool processing.
FIBER: Wool.

Static Eliminator on Second Breaker Card.....**Aug. 131**
INTEREST: Wool processing.
FIBER: Wool.

Braided Fabric Manufacture, by Arthur E. Hirst.....**Jan. 61**
Uses, type of raw material, winding, special tension devices, finishing, braiding, speeds, types of braids, production figures.
INTEREST: Yarn suppliers, braided fabric mills, finishers.
FIBER: Natural and synthetic.

Thin Places in Knitting Yarns.....**Aug. 127-129**
Recommended changes in processing procedure offered by Nos. 7921, 7922, and 7923.
INTEREST: Processing through spinning.
FIBER: Cotton.

Cotton Yarn Structure Constants, by John Duerst Sept. 82
Article reviews and combines several related articles published in past issues. Shows the practical application of the Duerst formula. A treatise in which it is mathematically proved that yarn twist, yarn diameter, and strength are based on a common factor of number of fibers per cross section.
INTEREST: Processing through spinning.
FIBER: Cotton.

Nomogram (Yarn Number Conversions).....**Sept. 98**
INTEREST: Manufacturing.
FIBER: All.

Nomogram (Size of Plied Yarns).....**Dec. 90**
FIBER: Those using length/weight numbering systems.

Asbeston—The Old Makes the New.....**Oct. 105**
Uses and processing of asbestos fiber at U. S. Rubber Co.
INTEREST: General.
FIBER: Asbestos and blends.

Bobbin Painting Machine.....**Nov. 93**
Speeds job of painting and reduces faulty work.
INTEREST: Processing depts. using bobbins.
FIBER: All.

Economical Skein Reeling, by Robert M. Harbeck Nov. 94
Discussion of methods of determining whether the skein reeling operation is being accomplished on an efficient basis. Formulas and graphs are presented.
INTEREST: Engineering, time study, skein reeling.
FIBER: All.

Metal Air Hose Rack.....**Nov. 132**
Convenient method of storage explained by No. 8010.
INTEREST: Universal.
FIBER: All.

Belt Length Calculations.....**Nov. 139**
By No. 7912.

Fotohints (No. 5).....**Sept. 127**
Oiling and tightening loom while warp is out.
INTEREST: Weaving.
FIBER: All.

Converting Coarse Yarns.....**Oct. 211**
Coarse yarns have twist removed and are spun into finer yarns.
INTEREST: General.
FIBER: Primarily cotton.

A.S.M.E. Studies Textile Lubrication.....**Apr. 161**

Textile Mill Lubrication Being Studied.....**July 123**
Comments by R. G. Shepherd of Associated Factory Mutual Fire Insurance Companies.
INTEREST: Processing.
FIBER: All.

More Comments on Lubrication.....**Nov. 143**
No. 7991 enters discussion on simplification of lubrication.

Dyeing, Bleaching, Finishing, Chemistry, Research, and Testing

Tippy Dyeing of Wool and Its Control ..... **Jan. 57**
Winning paper in AATCC intersectional contest. Problems incurred, types of dyes used, dyes tested, variation in procedure.
INTEREST: Wool dyers.
FIBER: Wool.

Evaluation of Kupensaure Process ..... **Jan. 60**
Process is development in vat color application. How applied, typical formula, padding, practical runs on cotton. Method said not to revolutionize present American procedures, but does add to regular procedures a method which may solve problems in some applications.
INTEREST: Dyeing.
FIBER: Natural and synthetic.

DuPont Movie on Dyes ..... **Jan. 111**
INTEREST: General.
FIBER: All.

Mineral Content of Cotton Can Affect Beam Dyeing with Vats ..... **Jan. 125**
Boiling with acetic acid removes much mineral matter. Suggested procedures and remedies.
INTEREST: Dyeing and finishing.
FIBER: Cotton.

Scheduled Maintenance for Dyeing, Bleaching, and Finishing, by W. R. Wands ..... **Feb. 98**
Bleach house, washers, kiers, mangles, open width bleaching units, mercerizer, continuous jigs, dye jigs, Sanforizer, napper room, cloth room.
INTEREST: Finishing plants.
FIBER: All.

Theory and Practice in Wool Dyeing, by Frederick L. Goodall ..... **Mch. 65**
Suggests entering goods as near boiling point as possible, use no Glauber salt, reduce initial acid content of bath.
INTEREST: Wool dyeing.
FIBER: Wool.

Processing Procedures for Modern Yarn Dyeing, No. 6, by Robert W. Joerger ..... **Mch. 72**
Series started in March 1946 issue. Appeared in April, May, and July issues. No. 6 described application of vat dyes, type machines, preparation, pigment processing, removing excess liquor, long chain warps, Indigosols.
INTEREST: Dyeing.
FIBER: Series covers all types of fibers.

Processing Procedures for Modern Dyeing, No. 7, by Robert W. Joerger ..... **May 84**
Seventh and concluding article in series. Napthols. Developer combination, dissolving the dyes, use of formaldehyde, coupling solutions, yarn preparation, fastness.
INTEREST: Dyeing.
FIBER: Series covers all fibers.

Saponification of Acetate Rayon ..... **Mch. 97**
Process described, recommendation made.
INTEREST: Dyeing.
FIBER: Acetate.

Steam Injection Method for Introducing Dyes into Kettles ..... **June 122**
Offers even distribution and more even dyeing.
INTEREST: Dyeing.
FIBER: All.

Indigosols (Part 1), by Ben Verity ..... **Aug. 95**
Study of the soluble and stable salts of sulphuric acid esters of vat dyestuffs. History and development, available forms, qualities, textile uses, dyeing costs, formula for plain shade dyeing, machine operation, dyeing on wince, notes on processing.

Indigosols (Part 2), by Ben Verity ..... **Sept. 87**
Application in printing, testing for results, formulas, stabilized azoic colors in printing.

Elimination of Fire Hazards of Fabrics, by Sidney Coppick ..... **Jan. 58**
Protective materials, use of double bath process, glow resistance, the pigment process, development of chemical combination, reactions involved.
INTEREST: Finishing and research.
FIBER: Cotton, wool, synthetic, other.

Maintaining Singeing Equipment at Bellman Brook Bleachery ..... **Dec. 104**

Replacing Starch in Finishing ..... **Jan. 61**
Only water-soluble styrene and alkyd resin compounds met all specifications. How products applied.
INTEREST: Finishing and chemistry.
FIBER: Cotton and other.

The Everglaze Process, by Arnold L. Lippert ..... **Mch. 57**
Description of a process which produces a lustrous finish, said to withstand laundering and dry cleaning.
INTEREST: Finishers.
FIBER: Cotton and other.

The Dimensional Stabilization of Rayon Fabrics, by Leonard Shapiro ..... **Apr. 80**
Description of the Definized process, which depends for its action on controlled plasticization of fibers by modified caustic solutions.
INTEREST: Finishing.
FIBER: Synthetic.

Water Repellency of Textile Fabrics ..... **June 137**
An investigation by the National Bureau of Standards.
INTEREST: Finishing.
FIBER: All.

Waterproof Fabric "Breathes" ..... **July 101**
Ventile, a waterproof fabric developed at Shirley Institute.
INTEREST: Manufacturing and finishing.
FIBER: Cotton, other.

Water Repellency Tests Results ..... **Aug. 151**
Doubling a water-repellent fabric more than doubles its rain resistance.
INTEREST: Finishing.
FIBER: All.

Bleaching Problem ..... **June 88**
Sticky deposit on rubber squeeze rolls in white washers had troubled bleacher for month. Two men give probable causes and remedies.
INTEREST: Bleaching.
FIBER: Cotton.

Pepperell's Opelika Bleachery ..... **Oct. 113**
A special section descriptive of a new dyeing, bleaching, and finishing plant at Opelika, Ala. Photographs.
INTEREST: Dyeing, bleaching, finishing, engineering general.
FIBER: Cotton.

Crayon Marks on Finished Goods ..... **Nov. 138**
Chalk marks do not scour out. Nos. 7979, 7980, 7984, 7982, and 7978 offer experiences on eliminating trouble.
INTEREST: Production and finishing.
FIBER: Primarily cotton.

AATCC Annual Meeting at Chicago ..... **Nov. 128-A**
Electrolytic Method for Stripping Color from Dyed Wool ..... **Nov. 128-A**
Application of Chemical Controls to Acid Dyeing ..... **Nov. 128-B**
Weather Protective Treatments for Cotton Duck ..... **Nov. 128-C**
Effect of Electrical Charge in Applying Dyestuffs ..... **Nov. 128-D**
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Chemists and Colorists Hold Silver Jubilee Convention ..... **Jan. 55**
Annual convention under sponsorship of Northern New England Section, Boston, Mass., Dec. 12-14.

Process Water ..... **July 83**
Report of AATCC Southeastern section meeting, June 7. Covered: water hardness, soft water regions, pH of river water, breakpoint chlorination, tuberculation of piping, deionized water, corrosion in water systems, effect of pH on starch mixes, chlorination before filtration, chemical control of hardness, water for vat dyeing, boiler feed water.
INTEREST: Dyeing, finishing, bleaching, engineering.
FIBER: All.

Chemical Developments of Textile Interest.....**Nov. 88**
Description of method for removing the humic substances from the cellulose residues obtained when determining the degree of crystallinity of cotton and other cellulose fibers.
INTEREST: Research and testing.
FIBER: All cellulose.

Research and Testing

Chemical Modification of Wool, by Milton Harris and Alfred E. Brown.....**Jan. 55**
Findings of researches on molecular structure of wool. Treatment by one-step method, time and cost, bleaching modified wool.
INTEREST: General to woolen manufacturers.
FIBER: Wool.

Active Textile Research Projects, by Ward Delaney.....**Apr. 83**
Announcement of research projects on which staff of Institute of Textile Technology is working.
INTEREST: Research, dyeing, chemistry, engineering, general.
FIBER: All.

Wool Research in Australia, by Neville A. Whiffin.....**June 75**
National Textile Seminar abstract. Fund set aside for research. How system operates.
INTEREST: Research, wool, general.
FIBER: Wool.

Checking Package Sizes, by John Middleton.....**Apr. 88**
Unit size of packages has direct bearing on manufacturing cost. Article emphasizes getting size package expected. Tests and routine reporting. Package gauges illustrated.
INTEREST: All depts.
FIBER: All.

Quality Control Laboratory Installed by Reliance...**Apr. 91**
Top leadership in quality of product is goal.

Dye Method for Testing Maturity of Cotton Fibers.....**July 106**
Developed by chemists at Sou. Reg. Research Lab., New Orleans. Method said not to be fully perfected.
INTEREST: Research and processing.
FIBER: Cotton.

Pacific Sliver and Yarn Tester.....**Jan. 135**
Sliver tester converted into universal tester which will evaluate the uniformity of any conventional sliver in worsted, woolen, cotton, rayon or blended field.
INTEREST: General.
FIBER: All.

Maintain Testing Equipment, by Horace L. Pratt...**Mch. 54**
Pointers on how to care for delicate equipment. Care in unpacking, lubrication and cleaning. Instruments discussed: Brabender semi-automatic oven, Scott horizontal tester, vertical tester, Saco-Lowell sliver tester, Belger automatic roving tester, Suter hydrostatic tester, Saco-Lowell lap meter, motors, scales, psychrometers, gauges, etc.
INTEREST: Testing department.
FIBER: All.

Instruments Test Hand of Fabrics.....**Mch. 67**
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INTEREST: Testing and general.
FIBER: All.

Electric Strain Gauge Discussed by A.S.T.M....**Apr. 170-A**

Abrasion Tester for Textiles.....**May 125**

Machine Speeds Testing of Tire Fabric.....**June 86**

New Rain Tester Developed.....**June 98**
Instrument to predict accurately the rain resistance of water repellent garments.
INTEREST: Laboratory.
FIBER: All.

Abrasion Machine for Testing Zippers and Snaps.....**Sept. 152**

Air Gauge Measures Fiber Fineness, by W. S. Smith.....**Nov. 86**
Description of new equipment for determining fiber fineness. Practical use of equipment explained.
INTEREST: Research, laboratory, and processing.
FIBER: Cotton, rayon, wool, others.

Device Tests Wrinkle Resistance.....**Nov. 106**
INTEREST: Laboratory and finishing.
FIBER: All.

Device Measures Perspiration Odors.....**Dec. 117**
Description of instrument that aids in determining the concentration of odors.
INTEREST: Laboratory.
FIBER: All.

Research Seeks Improvement and Use of Domestic Wool.....**Dec. 102**

Standardization of pH Scale Recommended.....**Dec. 123**

Snag Tester for Nylon Hosiery.....**Dec. 195**
Simple device utilizes a strip of sandpaper as the snagging surface. Description of tester and method for evaluating snag resistance of nylon hosiery.

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The Model ES Machine, a series of articles by Tracy T. Teague, description of parts and operation of ES knitting mach.

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Stationary yarn guide, fuzzy needles, grinding the stitch cam, relationship of sinkers to needles, finger selector cams, yarn bumpers, double-sole attachment.

Article 3.....**Mar. 173**
Adjusting front guard cam, pattern push-out cam, selector fingers, adjusting spiral racking cams on high-speed gear, adjustments of jack cams.

Article 4.....**May 179**
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